

A B S T R A C T

A method of optimizing the performance of a mobile radio system transmitter using processing operations including discrete Fourier transform (DFT) computation, filtering in the frequency domain, inverse discrete Fourier transform (IDFT) computation, overlapping of processed sample blocks, and oversampling, wherein, for a given input sampling frequency, a given order of magnitude of the output sampling frequency, and a given order of magnitude of the required frequency resolution, the length of the DFT and the length of the IDFT are chosen in such a manner as to enable the finest possible choice of the percentage overlap and/or the oversampling factor.

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